

ABSTRACT OF DISCLOSURE

A centrifugal pump assembly for a well is lowered into the well on a string of tubing. A packer mounts to the pump assembly below an intake of the pump and is lowered in with the pump assembly. The packer is radially expansible to seal against the casing in the well. A conduit leads from the pump assembly to the packer for diverting a portion of the well fluid being pumped through the pump assembly. This pressurized fluid causes the packer to expand and seal against casing.